

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Elahe Houshmand

Name: Automated Cutting Technologies Inc.
Address: 1300 John Watts Drive, Nicholasville, KY 40356
Date application received: May 31, 2006
SIC/Source description: 2541- Wood Partitions and Fixtures
Plant ID #: 21-113-00036
A.I. #: 80171
Activity Log #: APE20060001
Permit number: F-06-030

APPLICATION TYPE/PERMIT ACTIVITY:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input checked="" type="checkbox"/> Conditional major |
| __Administrative | <input type="checkbox"/> Title V |
| __Minor | <input type="checkbox"/> Synthetic minor |
| __Significant | <input type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input checked="" type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

- | | |
|--|---|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------|----------------------------------|---|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (TPY)	Allowable (TPY)	Potential (TPY)
PM/PM10	NA ¹	-----	52.1
VOC	NA ¹	≤ 90*	245
Single HAP>9 tpy Xylene 1330-20-7	NA ¹	≤ 9**	20.8
Combined HAPs	NA ¹	≤ 22.5***	40.5

NA¹ - Not applicable (New Construction)

* Source wide VOC emission limit: 90 tons/yr

** Source wide Single HAP emission limit: 9.0 tons/yr

*** Source wide Combined HAPs emission limit: 22.5 tons/yr

SOURCE PROCESS DESCRIPTION:

Automated Cutting Technologies (ACT), located in Nicholasville, Kentucky manufactures wooden store fixtures for the retail industry. The facility is a custom wood products manufacturer, in that its products are made to customer specifications and not mass-produced. The facility consists of woodworking, staining, painting, and topcoat application operations. The emission points include:

EP01 Manual Spray Booth #1 (Stain and Glaze)

EP02 Manual Spray Booth #2 (Primer, Paint, Topcoat)

EP03 Woodworking Operations

The facility is a conditional major source for VOC & HAP.

EMISSION AND OPERATING CAPS DESCRIPTION:

The source proposed an emission cap of the following:

VOC emissions less than or equal 90 tons per year.

No individual HAP emissions greater than 9 tons per year.

All HAPS emissions less than or equal to 22.5 tons per year.